

10 30 50  
TTCGGGCACGAGGGCAGGATGGCGCCACCACCAGCTAGAGTACATCTAGGTGCGTTCCTG  
M A P P P A R V H L G A F L  
70 90 110  
GCAGTGACTCCGAATCCCGGGAGCGCAGCGAGTGGGACAGAGGCAGCCGCGGCCACACCC  
A V T P N P G S A A S G T E A A A A T P  
130 150 170  
AGCAAAGTGTGGGGCTCTTCCGCGGGGAGGATTGAACCACGAGGCGGGGGCCGAGGAGCG  
S K V W G S S A G R I E P R G G G R G A  
190 210 230  
CTCCCTACCTCCATGGGACAGCACGGACCCAGTGCCCGGGCCCGGGCAGGGCGCGCCCCA  
L P T S M G Q H G P S A R A R A G R A P  
250 270 290  
GGACCCAGGCCGCGCGGGAAGCCAGCCCTCGGCTCCGGGTCCACAAGACCTTCAAGTTT  
G P R P A R E A S P R L R V H K T F K F  
310 330 350  
GTCGTCGTCGGGGTCCTGCTGCAGGTCGTACCTAGCTCAGCTGCAACCATCAAACCTTCAT  
V V V G V L L Q V V P S S A A T I K L H  
370 390 410  
GATCAATCAATTGGCACACAGCAATGGGAACATAGCCCTTTGGGAGAGTTGTGTCCACCA  
D Q S I G T Q Q W E H S P L G E L C P P  
430 450 470  
GGATCTCATAGATCAGAACGTCCTGGAGCCTGTAACCGGTGCACAGAGGGTGTGGGTTAC  
G S H R S E R P G A C N R C T E G V G Y  
490 510 530  
ACCAATGCTTCCAACAATTTGTTTGCTTGCCCTCCCATGTACAGCTTGTAATCAGATGAA  
T N A S N N L F A C L P C T A C K S D E  
550 570 590  
GAAGAGAGAAGTCCCTGCACCACGACCAGGAACACAGCATGTCAGTGCAAACCAGGAACT  
E E R S P C T T T R N T A C Q C K P G T  
610 630 650  
TTCCGGAATGACAATTCTGCTGAGATGTGCCGGAAGTGCAGCACAGGGTGCCCCAGAGGG  
F R N D N S A E M C R K C S T G C P R G  
670 690 710  
ATGGTCAAGGTCAAGGATTGTACGCCCTGGAGTGACATCGAGTGTGTCCACAAAGAATCA  
M V K V K D C T P W S D I E C V H K E S

FIG.1A

730 750 770  
GGCAATGGACATAATATATGGGTGATTTTGGTTGTGACTTTGGTTGTTCCGTTGCTGTTG  
G N G H N I W V I L V V T L V V P L L L  
\*\*\*\*\*  
790 810 830  
GTGGCTGTGCTGATTGTCTGTTGTTGCATCGGCTCAGGTTGTGGAGGGGACCCCAAGTGC  
V A V L I V C C C I G S G C G G D P K C  
\*\*\*\*\*  
850 870 890  
ATGGACAGGGTGTGTTTCTGGCGCTTGGGTCTCCTACGAGGGCCTGGGGCTGAGGACAAT  
M D R V C F W R L G L L R G P G A E D N  
910 930 950  
GCTCACAACGAGATTCTGAGCAACGCAGACTCGCTGTCCACTTTCGTCTCTGAGCAGCAA  
A H N E I L S N A D S L S T F V S E Q Q  
970 990 1010  
ATGGAAAGCCAGGAGCCGGCAGATTTGACAGGTGTCACTGTACAGTCCCCAGGGGAGGCA  
M E S Q E P A E L T G V T V Q S P G E A  
1030 1050 1070  
CAGTGTCTGCTGGGACCGGCAGAAGCTGAAGGGTCTCAGAGGAGGAGGCTGCTGGTTCCA  
Q C L L G P A E A E G S Q R R R L L V P  
1090 1110 1130  
GCAAATGGTGCTGACCCCACTGAGACTCTGATGCTGTTCTTTGACAAGTTTGCAAACATC  
A N G A D P T E T L M L F F D K F A N I  
1150 1170 1190  
GTGCCCTTTGACTCCTGGGACCAGCTCATGAGGCAGCTGGACCTCACGAAAAATGAGATC  
V P F D S W D Q L M R Q L D L T K N E I  
1210 1230 1250  
GATGTGGTCAGAGCTGGTACAGCAGGCCAGGGGATGCCTTGTATGCAATGCTGATGAAA  
D V V R A G T A G P G D A L Y A M L M K  
1270 1290 1310  
TGGGTCAACAAAACCTGGACGGAACGCCTCGATCCACACCCTGCTGGATGCCTTGGAGAGG  
W V N K T G R N A S I H T L L D A L E R  
1330 1350 1370  
ATGGAAGAGAGACATGCAAAAGAGAAGATTCAGGACCTCTTGGTGGACTCTGGAAAGTTC  
M E E R H A K E K I Q D L L V D S G K F

FIG.1B

1390	1410	1430
ATCTACTTAGAAGATGGCACAGGCTCTGCCGTGTCCTTGGAGTGAAAGACTCTTTTACC		
I Y L E D G T G S A V S L E		
1450	1470	1490
AGAGGTTTCCTCTTAGGTGTTAGGAGTTAATACATATTAGGTTTTTTTTTTTAAACAT		
1510	1530	1550
GTATACAAAGTAAATTCTTAGCCACGTGTATTGGCTCCTGCCTGTAATCCCATCACTTTG		
1570	1590	1610
GGAGGCTGACGCCGGTGGATCCACTTGAGGTCCGAAGTTCCAAGACCAGCCCTGAACCAA		
1630	1650	1670
CATCGTGGAAATGCCCGTCTTTTACAAAAAATACCAAAATTCAACTGGAATGTGCATG		
1690	1710	1730
GTGTGTGCCATCATTTTCCTCGGCTAACTACGGGAGGTCTGAGGCCAGGAGAATCCACTTG		
1750	1770	1790
AACCCACGAAGGACAGTGTAGACTGCAGATTGCACCACTGCACTCCCAGCCTGGGAACA		
1810	1830	1850
CAGAGCAAGACTCTGTCTCAAGATAAAATAAAATAAACTTGAAAGAATTATTGCCCGACT		
1870	1890	1910
GAGGCTCACATGCCAAAGGAAAATCTGGTTCTCCCCTGAGCTGGCCTCCGTGTGTTTCCT		
1930	1950	1970
TATCATGGTGGTCAATTGGAGGTGTTAATTTGAATGGATTAAGGAACACCTAGAACACTG		
1990	2010	2030
GTAAGGCATTATTTCTGGGACATTATTTCTGGGCATGTCTTCGAGGGTGTTTCCAGAGGG		
2050	2070	2090
GATTGGCATGCGATCGGGTGGACTGAGTGGAAAAGACCTACCCTTAATTTGGGGGGGCAC		
2110	2130	2150
CGTCCGACAGACTGGGGAGCAAGATAGAAGAAAACAAAAAAAAAAAAAAAAAAAA		

FIG. 1C

	h Fas protein	h TNFR I Protein	DR3 protein	DR4 protein
87	E G K E Y T D K A H F S S K C R R C R L C D E G H G L E V E I N C T R T Q N T K	S E N L F Q C C V - - - C - - - C Q E K Q N T V	- - Q V S Q C V S S S P F Y C L P C T A C G A L H R - - - C S R D T D C	E G V G Y T N A S N N L F A C L P C T A C K S D E - - - E R S P C T T R N T A
137				
126				
150				

**FIG. 2A**

127	C	R	C	K	P	N	F	F	C	N	S	T	V	C	E	H	C	D	P	C	T	K	-	C	E	H	G	I	I	K	-	E	C	T	L	T	S	N	T	h Fas protein		
166	C	T	C	H	A	G	F	F	L	R	E	-	-	-	N	E	C	V	S	C	S	N	-	C	K	K	S	L	E	C	T	L	P	Q	I	E	N	h TNFR I Protein				
163	G	T	C	L	P	G	F	Y	E	H	G	-	-	-	D	G	C	V	S	C	P	T	-	S	T	L	G	-	S	C	P	E	R	C	A	V	C	W	DR3 protein			
188	C	Q	C	K	P	G	T	F	R	N	D	N	S	A	E	M	C	R	K	C	S	T	G	C	P	R	G	M	V	K	D	C	T	P	W	I	DR4 protein					
164	K	C	-	K	E	E	G	S	R	S	N	L	G	W	L	C	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	h Fas protein				
202	V	K	G	T	E	D	S	G	T	T	V	L	L	P	L	V	I	F	F	G	L	C	L	S	L	L	S	L	F	I	G	L	M	-	-	-	-	h TNFR I Protein				
198	R	Q	-	-	-	-	-	-	-	-	M	F	W	V	Q	V	L	L	A	G	L	V	V	P	L	L	L	L	G	A	T	L	-	-	-	-	-	DR3 protein				
228	E	C	V	H	K	E	S	G	N	G	H	N	I	W	I	L	V	V	T	L	V	V	P	L	L	L	L	V	A	V	L	I	V	C	C	I	G	S	DR4 protein			
189	-	-	-	-	-	-	-	-	-	-	-	-	-	W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	h Fas protein				
234	-	-	-	-	-	-	-	-	-	-	-	-	-	W	K	S	K	L	Y	S	I	V	C	G	K	S	T	P	E	K	E	G	E	L	E	G	T	T	K	h TNFR I Protein		
222	-	-	-	-	-	-	-	-	-	-	-	-	-	W	P	H	K	P	L	-	V	T	A	D	E	A	G	M	E	A	L	T	P	P	A	T	H	L	S	DR3 protein		
268	C	G	G	D	P	K	C	M	D	R	V	C	F	W	R	L	G	L	L	R	G	P	G	A	E	E	D	N	A	H	N	E	I	L	S	N	A	D	S	L	S	DR4 protein
190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	h Fas protein			
266	P	L	A	P	N	P	S	F	S	P	T	P	G	F	T	P	T	L	G	F	S	P	V	P	S	S	T	F	T	S	S	T	Y	T	P	G	D	-	C	h TNFR I Protein		
254	P	L	D	S	A	H	T	L	L	A	P	P	D	S	S	E	K	I	C	T	V	Q	L	V	G	N	S	W	T	P	G	Y	P	E	T	Q	E	A	L	C	DR3 protein	
308	T	F	V	S	E	Q	Q	M	E	S	Q	E	P	A	D	L	T	G	V	T	V	Q	S	P	G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DR4 protein	
200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	h Fas protein		
305	P	N	F	A	A	P	R	R	E	V	A	P	P	R	K	H	R	K	E	N	Q	G	A	D	P	I	L	A	S	D	P	I	N	P	L	Q	K	W	E	D	S	h TNFR I Protein
294	P	Q	V	T	W	S	W	D	Q	L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DR3 protein	
337	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	DR4 protein	

FIG.2B

7	4	6	1
D	V	A	A

**FIG. 2C**



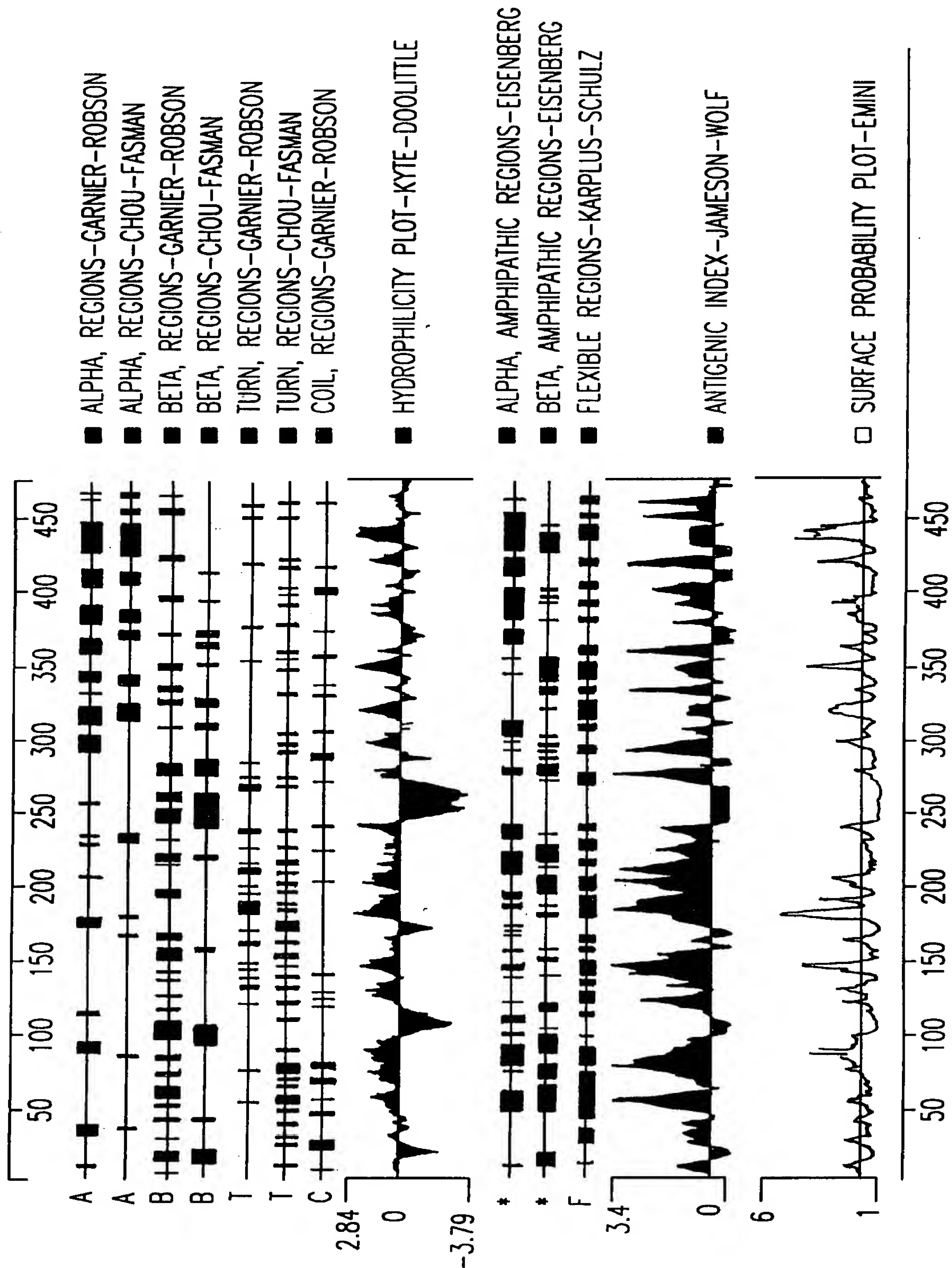


FIG.3

HTOIY07R

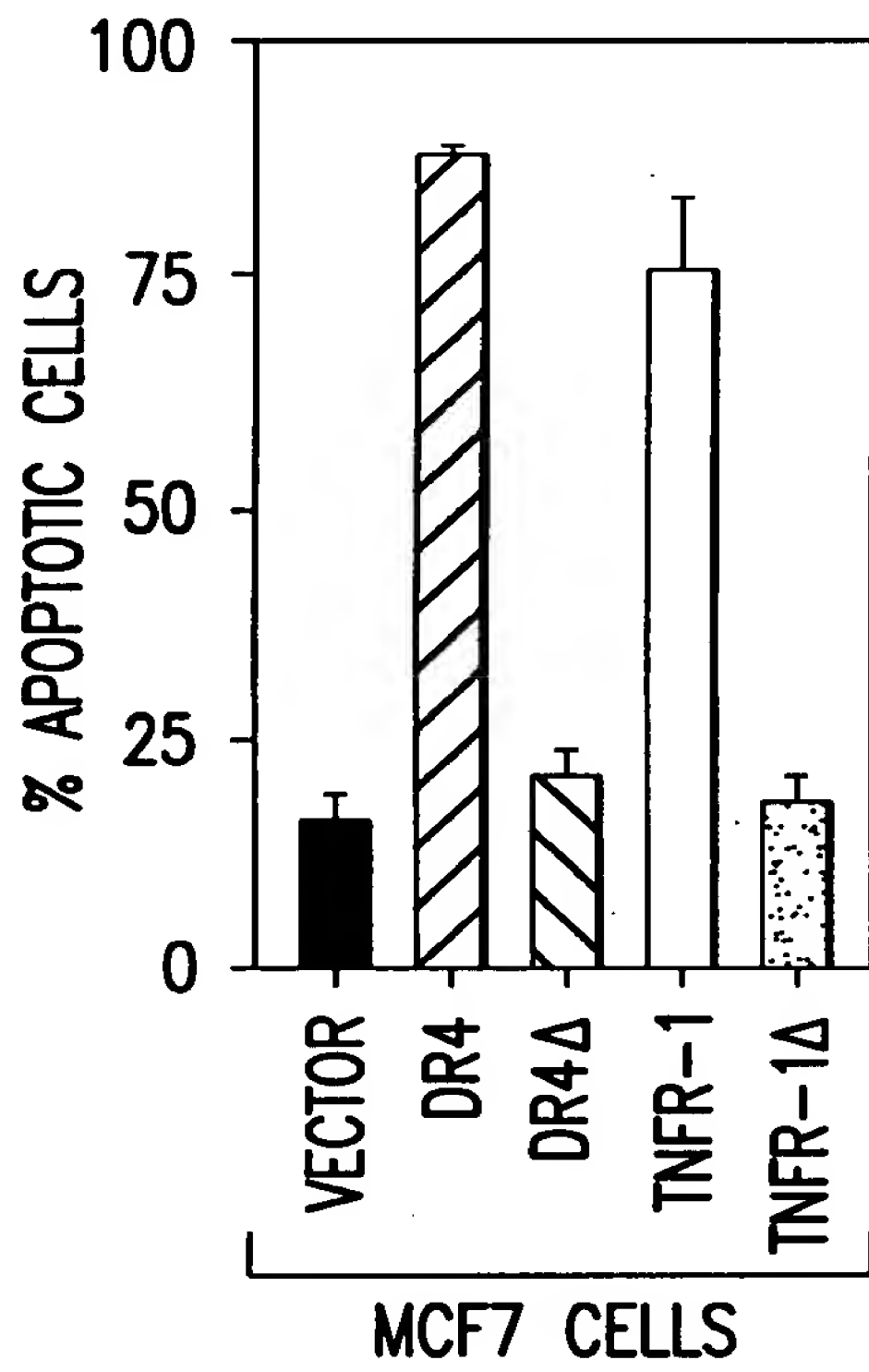
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1  GGCANAGGTN CGTACCTAGC TCACCTGCAA CCATCAAAC T NATGATCAA
51 TCAATTGGCA CACAGCAATG GGAAACATAG CCCTTTGGAA GANTTGTNTC
101 CACCAGGATC TCATAGATCA AAACATCCTG GGAGCCTGTT AACCGGTGCC
151 CCAAAGGNTG GTCAAGGTCA AGGAATTGTT NCGCCCTGGA AGTGAACATC
201 GAGTGTNTCC ACAAAGGATT CAGGCAATGG GACATAAATA TATGGGTGAA
251 TTTTGGTTGT GAACTTTGGT TGNTCCCGTT GNTGTTGNTG GCTGTGCTGA
301 TTGTTTGTG TTGCATCGGC TTCAGGTTNT GGAGGGGGAC CCAAGTGCAT
351 GGACAGGGTG TGTTTCTGGG GTTTGGGTCT CTTAGAGGGC NTGGGTTANG
401 GCANGTTCAC AAGGGTTTTA GCAANG
```

HTXEY80R

```
1  TGGGGCTGAG GACAATGCTG ACNACGAGAT TCTGAGCAAC GCAGNACTNG
51 CTGTCCACTT TCGTCTNTGN GCAGCAAATG GAAAGCCAGG AGCCGGCAGA
101 TTTGACAGGT GTCACGTAC AGTCCCCAGG GGAGGCACAG TGTCTGCTGG
151 TGAGTTGGGG ACAGGCCCTT GCAAGACCTT GTGAGGCAGG GGGTGAAGGC
201 CATGNCTCGG CTTCNNNTGG TCAAAGGGGA AGTGGAGCCT GAGGGAGATG
251 GGACTIONAGG GGGACGGNGC TCGTGGGGA AAAAGCAGCC ACCNTTTGAC
301 AAGGGGGACA GGCATTTTTN CAAATGTGTG CTTNTTGGT
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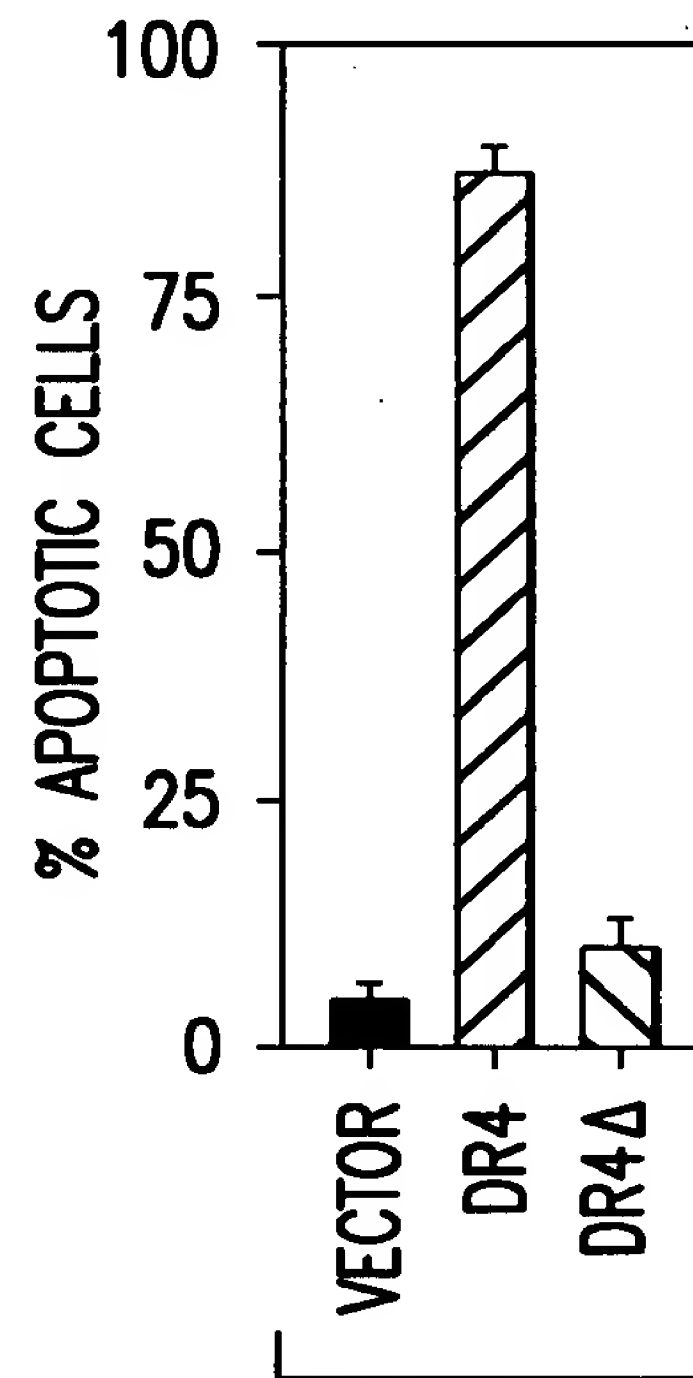
FIG.4





MCF7 CELLS

FIG.5A



293 CELLS

FIG.5B

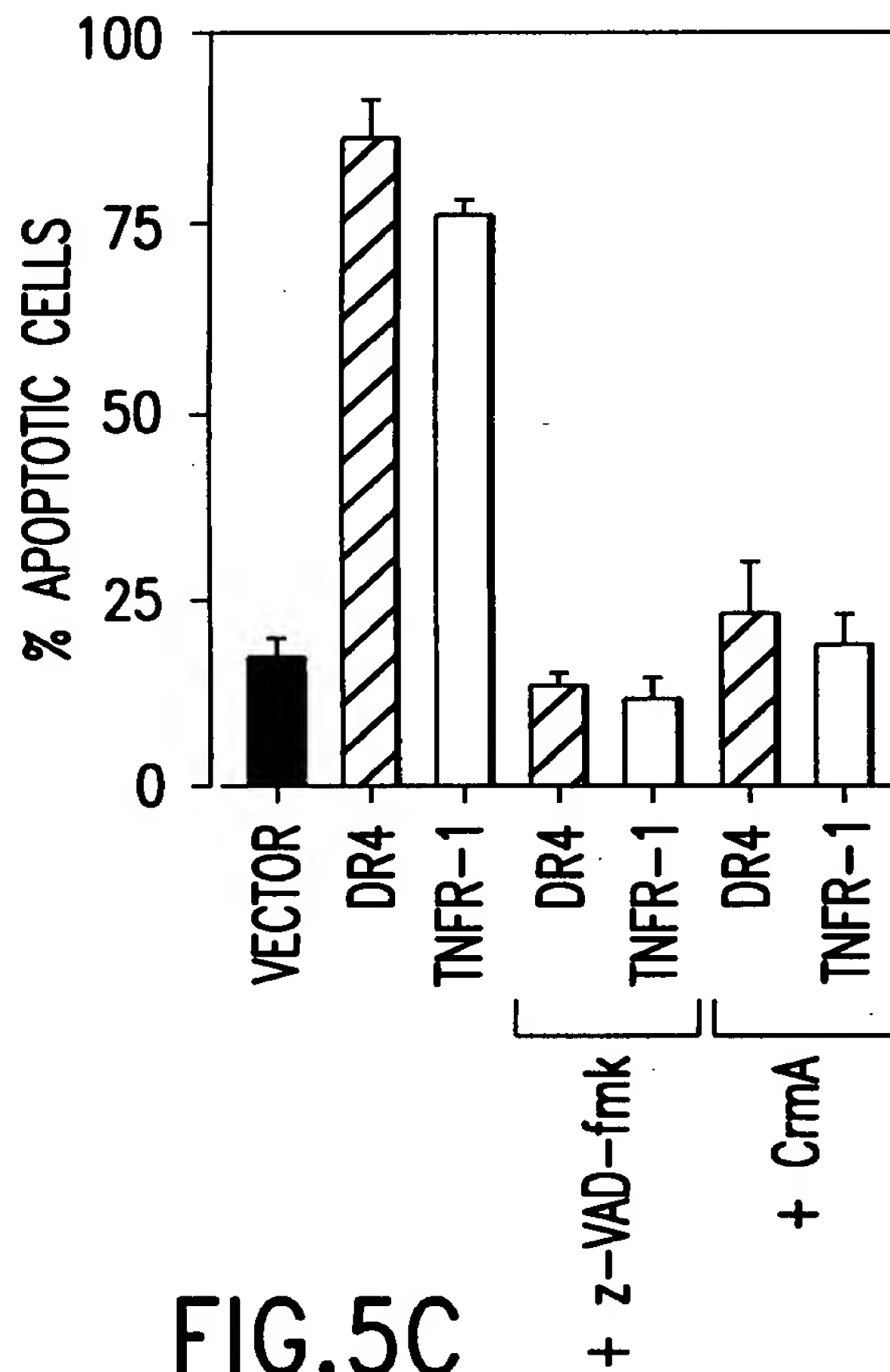


FIG.5C

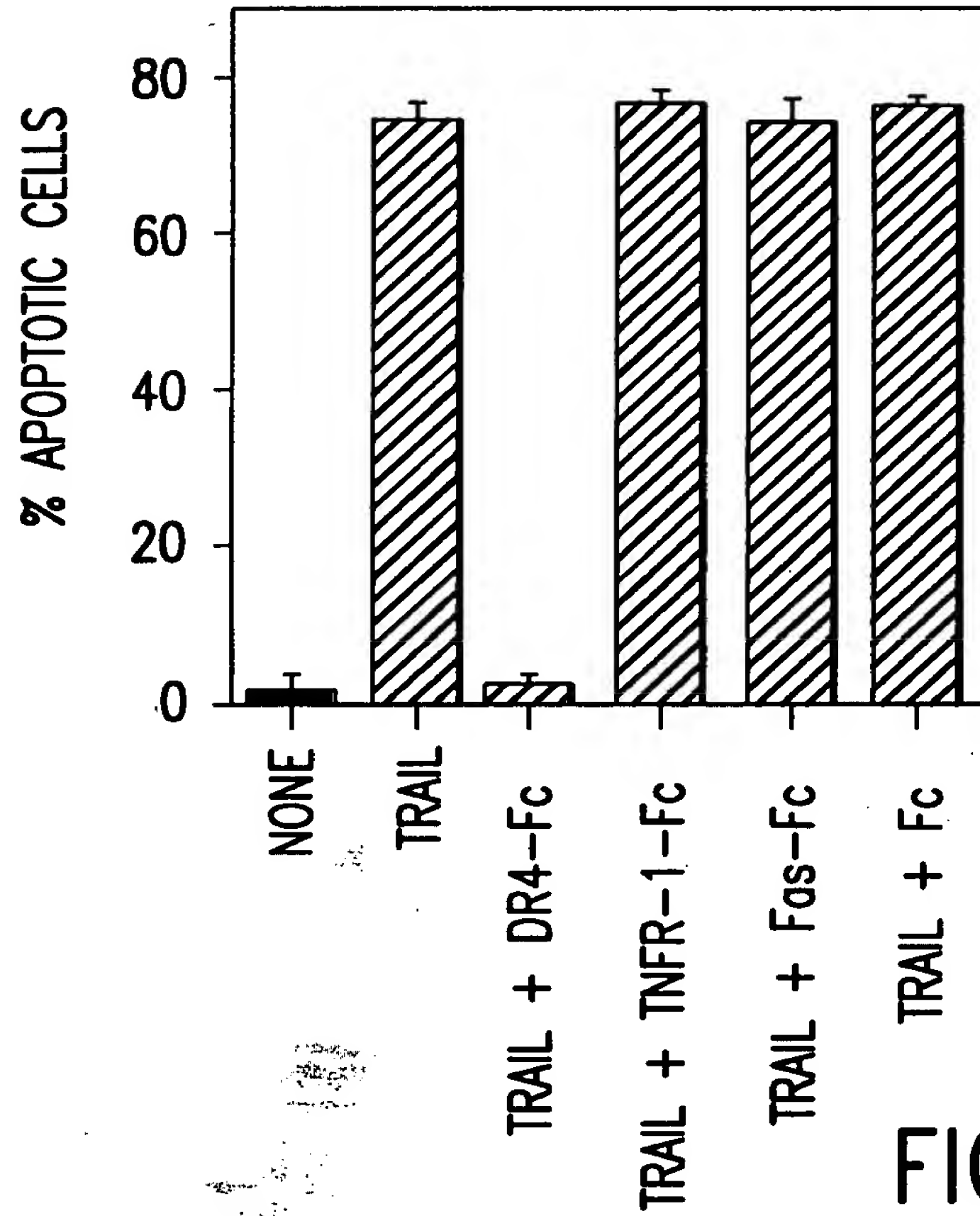


FIG. 6A

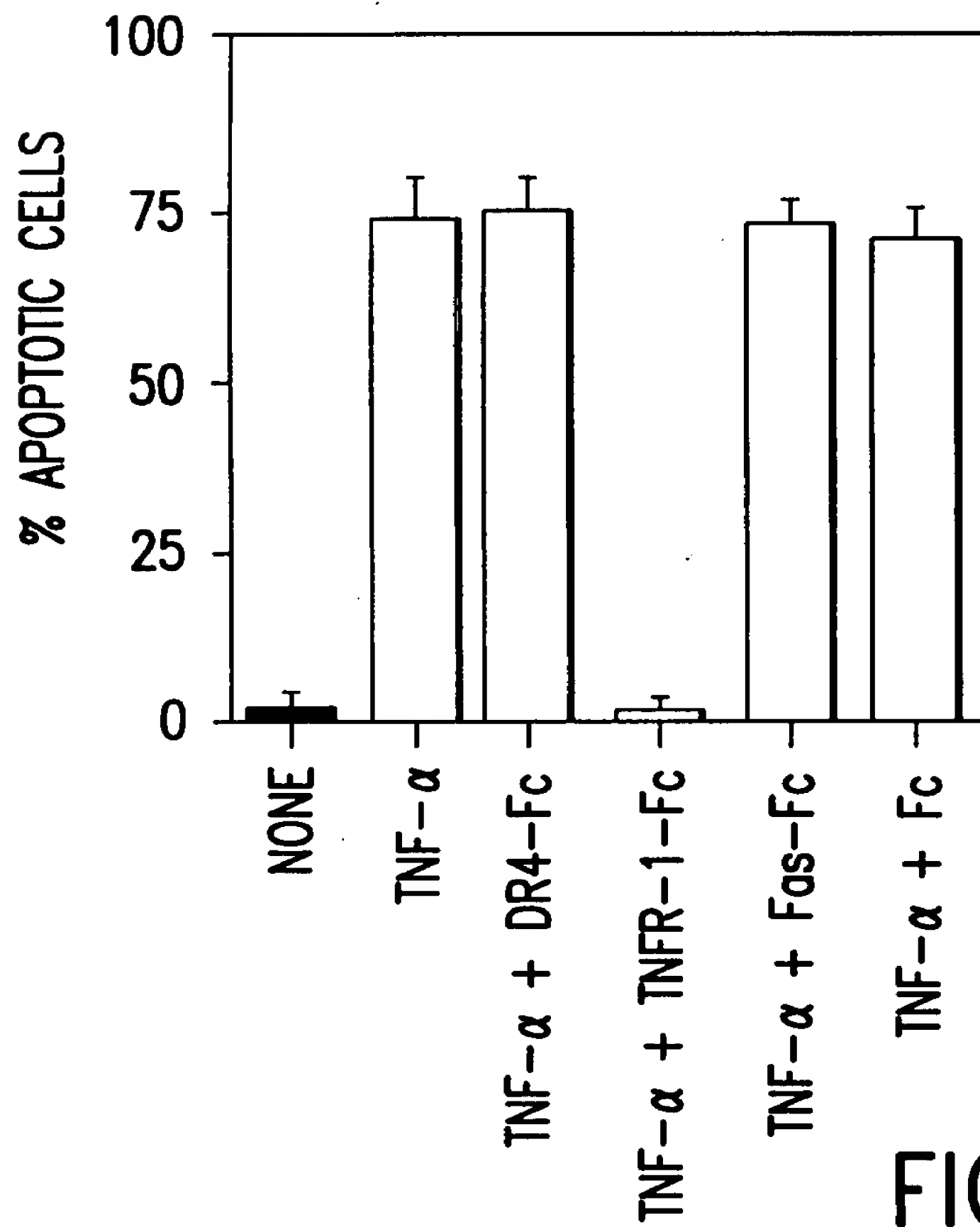


FIG. 6B